

wherein said zone stores a lookup table having information about edge shifting of at least one of a leading and trailing edge of at least one recording pulse; and

wherein said lookup table includes a list of values which are determined by combinations of a length  $M(n)$  of a mark being currently written and at least one of a length  $s(n-1)$  of a space precedent to the mark and a length  $s(n+1)$  of a space subsequent to the mark, and which can be positive and negative.

11 8. (amended) A recording medium comprising:

a disk-like substrate;

at least one track being provided on the disk-like substrate;

a zone including said at least one track therein;

wherein said zone stores a lookup table having information about edge shifting of at least one of a leading and trailing edge of at least one recording pulse; and

wherein said lookup table includes information about edge shifting of at least one of a leading and trailing edge of one recording pulse for recording a mark  $3T_w$  long, where  $T_w$  is a time width.

Please amend claims 9-16 as follows:

9. (amended) A recording medium according to claim 1, wherein said lookup table includes information about edge shifting of a leading edge of a first recording pulse and a trailing edge of a last recording pulse of a plurality of recording pulses.

3 10. (amended) A recording medium according to claim <sup>1</sup>/<sub>7</sub>, wherein said lookup table includes information about edge shifting of a leading and trailing edge of a first recording pulse and a trailing edge of a last recording pulse of a plurality of recording pulses.

4 11. (amended) A recording medium according to claim <sup>1</sup>/<sub>7</sub>, wherein said lookup table includes information about edge shifting of a leading edge of a first recording pulse and a leading and trailing edge of a last recording pulse of a plurality of recording pulses.

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cont 5 12. (amended) A recording medium according to claim <sup>1</sup>/<sub>7</sub>, wherein said lookup table includes information about edge shifting of a leading and trailing edge of each of first and a last recording pulse of a plurality of recording pulses.

6 13. (amended) A recording medium according to claim <sup>1</sup>/<sub>7</sub>, wherein said lookup table includes information about edge shifting of a leading edge of a first recording pulse of a plurality of recording pulses.

7 14. (amended) A recording medium according to claim <sup>1</sup>/<sub>7</sub>, wherein said lookup table includes information about edge shifting of a leading and trailing edge of a first recording pulse of a plurality of recording pulses.

8 15. (amended) A recording medium according to claim <sup>1</sup>/<sub>7</sub>, wherein said lookup table includes information about edge shifting of a trailing edge of a last recording pulse of a plurality of recording pulses.